

CLAIMS:

1. An infrared emitter, being used as an emitting source of a stereophonic amplifier with left sound channel and right sound channel, comprising:

5 a preamplifier of which one end is an input source of its left sound channel and right sound channel, and of which the other end amplifies and emits sounds of said left sound channel and right sound channel;

an infrared RF emitter including a channel A, a channel B and two set of mixers, said channel A includes a left sound channel of a first
10 frequency and a right sound channel of a third frequency; said channel B includes a left sound channel of a second frequency and a right sound channel of a fourth frequency; one end of said infrared RF emitter is used to receive amplified sounds of said left sound channel and right sound channel of said preamplifier; the other end is used to emit said
15 sounds of said left sound channel and right sound channel wirelessly in a mode of FM carrier wave;

an infrared channel controller connecting with said infrared RF emitter for switching between said channel A and said channel B in said infrared RF emitter; and

20 a photodiode emitting-medium to receive and emit said sounds of the channel A and the channel B emitted from said infrared RF emitter, said photodiode emitting-medium includes two Darlington amplifying circuits and four diodes A, B, C and D, wherein said diodes A, B are infrared emitting diodes for left sound channel, and said diodes C, D are
25 infrared emitting diodes for right sound channel; one of said Darlington

amplifying circuits is juxtaposed with said infrared emitting diodes A, C,
the other of said Darlington amplifying circuits is juxtaposed with said
infrared emitting diodes B, D; and said infrared emitting diode A is of
said first frequency, said infrared emitting diode B is of said third
5 frequency, said infrared emitting diode C is of said second frequency,
while said infrared emitting diode D is of said fourth frequency;

thereby, crosstalk disturbance during transmitting carrier waves is
inhibited by switching between said channel A and said channel B with
said infrared channel controller and by a mode of arrangement of said
10 infrared emitting diodes on parts in said photodiode emitting-medium,
as well as by using said two set of mixers to respectively control energy
adjustment of said diodes A and B and energy adjustment of said diodes
C and D.

2. The infrared emitter as claimed in claim 1, wherein said channel
15 A and channel B of said infrared RF emitter are of FM.

3. The infrared emitter as claimed in claim 1, wherein said first
frequency is 2.3 MHz, said second frequency is 3.2 MHz, said third
frequency is 2.8 MHz, and said fourth frequency is 3.8 MHz.

4. The infrared emitter as claimed in claim 1, wherein said
20 photodiode emitting-medium transmits said carrier waves to a wireless
earphone.

5. The infrared emitter as claimed in claim 1, wherein said infrared
channel controller switches between said channel A and said channel B
in said infrared RF emitter by using an integrated circuit.